



B

	Bcl-2 binding	LC8/DLC1 binding	Killing activity
Bim _{EL}	+	+	+
Bim _{EL} ΔBH3	-	+	-
Bim _{EL} TQT 110-112 AAA	+	-	++

Figure legend LC8/DLC1 binding negatively regulates the killing activity of Bim_{EL}. (A) The killing activity of Bim_{EL} is attenuated by the loss of binding to LC8/DLC1 (dynein light chain 1). Parental FDC-P1 cells, or subclones expressing Bcl-2 alone, or Bcl-2 and wild-type Bim_{EL}, a BH3 deleted mutant (Bim_{EL} ΔBH3) or a form that cannot bind LC8/DLC1 (Bim_{EL} TQT 110-112AAA) were deprived of their essential growth factor IL-3 for 3 days and their viability measured daily. The data shown is the mean \pm 1 SD from 3 independent experiments and is representative of at least 3 independent cell lines generated. (B) Summary of the binding properties and killing activity of Bim_{EL}.